



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

12655

**D4708-1**

**Job Sheet 189326**



**Part No:** D4708-1

**Job Qty:** 20 pcs

**Part Name:** Lanyard



**Part Weight:** 0 lbs

**Status:** New

**Priority:** Medium

**Job Created:** 1/22/19

**Job Tracking No:**

**Due Date:** 2/6/19

**Created By:** Dara Macdonald

**Type:** SOLD

**Description:**

**Note:** DWG REV C IPP REV:A 12.09.10 NEW ISSUE DD VERF:JFS

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation                     | Qty    | Start Date | Due Date | Standard  |         | Workcenter/Supplier    |           | Sign-off    |
|-------|-------------------------------|--------|------------|----------|-----------|---------|------------------------|-----------|-------------|
|       |                               |        |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier  | Lead Time |             |
| 110   | Purchasing                    | 20 pcs | 2/6/19     |          | 0.00      | 0.00    | Purchasing - 1         |           | FEB 14 2019 |
|       |                               |        |            |          |           |         | Purchasing - 2         |           |             |
|       |                               |        |            |          |           |         | Purchasing - 3         |           |             |
| 120   | Packaging 2-1 - Receive - B4B | 20 pcs | 2/6/19     |          | 0.00      | 0.00    | Packaging 2 - 1 - B4B  |           | FEB 14 2019 |
|       |                               |        |            |          |           |         | Packaging 2 - 2 - B4B  |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 3 - B4B  |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 5 - B4B  |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 4 - B4B  |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 6 - B4B  |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 7 - B4B  |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 8 - B4B  |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 9 - B4B  |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 10 - B4B |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 11 - B4B |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 12 - B4B |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 13 - B4B |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 14 - B4B |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 15 - B4B |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 16 - B4B |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 17 - B4B |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 18 - B4B |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 19 - B4B |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 20 - B4B |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 21 - B4B |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 22 - B4B |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 23 - B4B |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 24 - B4B |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 25 - B4B |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 26 - B4B |           |             |
|       |                               |        |            |          |           |         | Packaging 2 - 27 - B4B |           |             |

Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
CANADA  
TEL : 1 613 632 - 5200  
Email: sales@dartaero.com  
www.dartaerospace.com



**Container No:** S153881



**Part:** D4708-1

**Job No:** 189326

**Serial No/Batch:** S153881

**Revision:**

**Inspector:**

**Exp Date:**

**Instructions:** Various STC's

**Date:** 02/14/19

|                                                                                      |        |        |           |                        |                    |
|--------------------------------------------------------------------------------------|--------|--------|-----------|------------------------|--------------------|
|                                                                                      |        |        |           | Packaging 2 - 28 - B4B |                    |
|                                                                                      |        |        |           | Packaging 2 - 29 - B4B |                    |
|                                                                                      |        |        |           | Packaging 2 - 30 - B4B |                    |
|                                                                                      |        |        |           | Packaging 2 - 31 - B4B |                    |
|                                                                                      |        |        |           | Packaging 2 - 32 - B4B |                    |
|                                                                                      |        |        |           | Packaging 2 - 33 - B4B |                    |
|                                                                                      |        |        |           | Packaging 2 - 34 - B4B |                    |
|                                                                                      |        |        |           | Packaging 2 - 35 - B4B |                    |
| 130 QC 6                                                                             | 20 pcs | 2/6/19 | 0.00 0.00 | QC 6 - 38              |                    |
|                                                                                      |        |        |           | QC 6 - 42              |                    |
|                                                                                      |        |        |           | QC 6 - 9               |                    |
|                                                                                      |        |        |           | QC 6 - 68              | DAS FEB 14 2019 68 |
|                                                                                      |        |        |           | QC 6 - 61              | 9-89               |
| 140 Packaging 3-1 - Stock - B4B                                                      | 20 pcs | 2/6/19 | 0.00 0.00 | Packaging 3 - 1 - B4B  |                    |
|                                                                                      |        |        |           | Packaging 3 - 2 - B4B  |                    |
|                                                                                      |        |        |           | Packaging 3 - 3 - B4B  |                    |
|                                                                                      |        |        |           | Packaging 3 - 4 - B4B  |                    |
|                                                                                      |        |        |           | Packaging 3 - 5 - B4B  |                    |
|                                                                                      |        |        |           | Packaging 3 - 6 - B4B  |                    |
|                                                                                      |        |        |           | Packaging 3 - 7 - B4B  |                    |
|                                                                                      |        |        |           | Packaging 3 - 8 - B4B  |                    |
|                                                                                      |        |        |           | Packaging 3 - 9 - B4B  |                    |
|                                                                                      |        |        |           | Packaging 3 - 10 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 11 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 12 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 13 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 14 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 15 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 16 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 17 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 18 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 19 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 20 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 21 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 22 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 23 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 24 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 25 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 26 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 27 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 28 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 29 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 30 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 31 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 32 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 33 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 34 - B4B |                    |
|                                                                                      |        |        |           | Packaging 3 - 35 - B4B |                    |
| 150 QC 21 - SA                                                                       | 20 pcs | 2/6/19 | 0.00 0.00 | QC 21 - SA - 21        | DAS FEB 14 2019 21 |
| Part Op 110 - (Purchasing) Issue P/O: 042379 Possible supplier: LEXCO CABLE MFG INC. |        |        |           |                        |                    |
| Descriptions: 120 - (Receive & Inspect for Damage & Mat'l Certs)                     |        |        |           |                        |                    |
| 130 - (QC6- All purchased or subcontracted products)                                 |        |        |           |                        |                    |
| 140 - (Identify as per dwg & Stock Location: _____)                                  |        |        |           |                        |                    |
| 150 - (QC21- Final Inspection - Work Order Release)                                  |        |        |           |                        |                    |

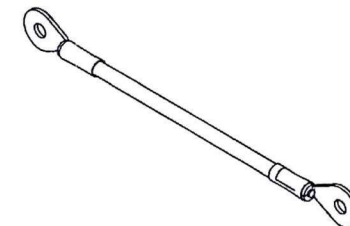
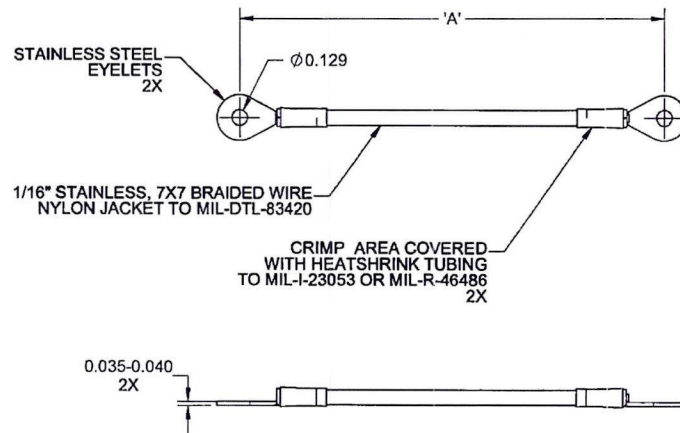
#### Job BOM

| Part / Item | Component Name | Quantity      | Operation      | Container |
|-------------|----------------|---------------|----------------|-----------|
| D4708-1P    | Lanyard        | 20 pcs (1 ea) | 110-Purchasing | 5153877   |

| Job Allocations                    |                |          |           |           |
|------------------------------------|----------------|----------|-----------|-----------|
| Operation                          | Component Part | Required | Inventory | Allocated |
| 110-Purchasing                     | D4708-1P       | 20       | 0         | 0         |
| CT x 100                           |                |          |           |           |
| Part Specifications                |                |          |           |           |
| Specifications could not be found. |                |          |           |           |

Plex 1/22/19 2:30 PM Dart.Macdonald.Dara

# **SPECIFICATION CONTROL DRAWING**



## **D4708-X LANYARD**

| DART P/N | DIM 'A' (±0.06) |
|----------|-----------------|
| D4708-1  | 3.5             |
| D4708-3  | 5.0             |
| D4708-5  | 8.0             |
| D4708-7  | 10.0            |
| D4708-9  | 12.0            |
| D4708-11 | 5.75            |
| D4708-13 | 3.0             |



### **NOTES:**

- 1) MATERIAL: AS INDICATED
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4708-X" AND B/N "BXXXXX" PER QSI 044 6.7
- 7) WEIGHT: N/A
- 8) RECOMMENDED SUPPLIER: LEXCO CABLE MFG INC.

**RELEASED**

2017 JUN 22 *qp*  
Ecn 17-592

**APPROVED**

|            |             |                                               |              |
|------------|-------------|-----------------------------------------------|--------------|
| C          | ADDED -13   | VS                                            | 17.05.31     |
| B          | ADDED -11   | VS                                            | 17.02.02     |
| A          | NEW ISSUE   | RP                                            | 12.09.19     |
| REV.       | DESCRIPTION | BY                                            | DATE         |
| DESIGN     | VS          | <b>DART AEROSPACE USA, INC.</b><br>EUGENE, OR |              |
| DRAWN      | VS          |                                               |              |
| CHECKED    | WK          | DRAWING NO.                                   | REV. C       |
| MFG. APPR. | DD          | <b>D4708</b>                                  | SHEET 1 OF 1 |
| APPROVED   | HS          | TITLE                                         | SCALE        |
| DE APPR.   | DS          | <b>LANYARD</b>                                | NTS          |
| DATE       | 17.05.31    |                                               |              |

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Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

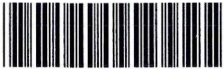
NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                        |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Sequence #:                                                                                                                       | QTY Affected :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | MRB (QSI042)           |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                   | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | Completed By           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | Lead hand / Supervisor |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | QC / QA Coordinator    |  |
| <b>Root Cause</b><br><br><div style="display: flex; flex-direction: column;"> <div>Operator <input type="checkbox"/></div> <div>Manufacturing Process <input type="checkbox"/></div> <div>Equip/Tooling <input type="checkbox"/></div> <div>Handling/Preservation <input type="checkbox"/></div> <div>Material <input type="checkbox"/></div> <div>Product Improvement <input type="checkbox"/></div> <div>Process Improvement <input type="checkbox"/></div> <div>Human Factors <input type="checkbox"/></div> </div> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> <div style="width: 50%;"> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div style="width: 50%;"> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div style="width: 50%;"> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |  |                        |  |
| Other/Details:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |



LEXCO CABLE MFG & DISTRIBUTORS, INC.  
7320 WEST AGATITE AVE  
NORRIDGE, IL 60706  
T 800-626-6556 F 773-478-4584  
(773) 588-8890



PICKED BY \_\_\_\_\_  
PACKED BY Z  
SHIPPED BY G

## \*\*\*PACKING LIST\*\*\*

ORDER DATE: 1/24/2019  
SALESPERSON: JM

ORDER NUMBER: 0262417  
CUSTOMER NUMBER: 01-0011993

SOLD TO:  
DART AEROSPACE LTD  
1270 Aberdeen Street  
Hawkesbury, Ontario Canada  
K6A 1K7  
Canada

SHIP TO:  
DART AEROSPACE LTD  
1270 Aberdeen Street  
Hawkesbury, Ontario Canada  
K6A 1K7  
Canada

PHONE #: 613-632-5200

SHIP TO PHONE #:

DATE SHIPPED: 2/8

CUST. P.O.  
PO042379

SHIP VIA  
FEDEX GROUND

151 793 240

F.O.B.  
PPD & ADD  
Collect

TERMS  
NET 30

| QTY | U/M | SHIP | B/O | ITEM #   | DESCRIPTION                                                                                                                                                                                                                    | PRICE  |
|-----|-----|------|-----|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 20  | EA  | 20   | φ   | D4708-1P | Cable Assy: 1/16 7x7SS 1/8 NYL MIL-DTL-83420<br>Type II, Comp B, SS eyelet w/ .129" pin-hole<br>installed at both ends, black PVC heat shrink<br>covers crimp area, 3.50"+/-1/16" length measured<br>from center of pin-holes. | 4.1700 |
| 1   | EA  | 1    | φ   | COC      | COC w/ origin required                                                                                                                                                                                                         | 0.0000 |

SHIP 2/12/19 OR SOONER

COUNTRY OF  
ORIGIN: USA + UK

USD

ENTERED BY JD

FORM QOP-03-01-01F  
REV 061900

FREIGHT \_\_\_\_\_  
CHARGES \_\_\_\_\_  
SALES TAX \_\_\_\_\_  
TOTAL \_\_\_\_\_

PACKING LIST





# Certificate of Conformance

This certificate is for the 1 item(s) supplied by Lexco Cable MFG., as sold to DART AEROSPACE LTD  
on Customer Purchase Order No. PO042379 & Lexco Sales Order No. 262417

ASSY No: **D4708-1P** Quantity: **20 PCS**  
Description: Cable Assy: 1/16 7x7SS 1/8 NYL MIL-DTL-83420 Type II, Comp B, SS eyelet w/ .129" pin-hole installed at both ends, black PVC heat shrink covers crimp area, 3.50"+/-1/16" length measured from center of pin-holes.

## SUB COMPONENTS

Part No: **M83420/4-010** Description: CBL/N 1/16 7x7 Stainless Steel 1/8 Nylon  
Cable LOT No: **46710** Coating LOT No: **1381768** Colorant LOT No: **36190** Quantity: **6 FT**  
MFG Country of Origin: **USA** Melt Origin: **United kingdom**

### Physical Properties of Raw Materials

### Physical Properties of Finished Part

|                       |                |
|-----------------------|----------------|
| MIN. BREAK STRENGTH   | 480 LBS        |
| ACTUAL BREAK STRENGTH | 547 LBS        |
| DFARS COMPLIANCE      | YES COMPLIANT  |
| APPLICABLE STANDARD   | MIL-DTL-83420P |

Part No: **2091-02** Description: Eyelet 1/16-3/64 Stainless Steel .129 Pin  
LOT No: **45759** Country of Origin: **USA** Quantity: **40 PCS**

### Physical Properties of Raw Materials

### Physical Properties of Finished Part

|          |                     |                 |               |
|----------|---------------------|-----------------|---------------|
| HEAT NO  | R6V4                | RoHS COMPLIANCE | YES COMPLIANT |
| MATERIAL | 304 STAINLESS STEEL |                 |               |

Part No: **PVCHS000187BLK** Description: Heat Sh 3/16" ID Black PVC  
LOT No: **39690** Country of Origin: **USA** Quantity: **As Required**

### Physical Properties of Raw Materials

### Physical Properties of Finished Part

|                 |               |
|-----------------|---------------|
| RoHS COMPLIANCE | YES COMPLIANT |
|-----------------|---------------|

We hereby certify that the above have been tested in accordance with, and have been found to meet, the applicable requirements for the material including any specifications forming a part of the description.

Prepared By

Quality Manager

ISO/Process Manager

2/8/2019  
Date